

### Abstract

The invention relates to a method for transmitting an encryption number in a communication system (1) comprising mobile terminals (MT1—MT4) and at least a first access point (AP1) and a second access point (AP2). The method comprises the steps of defining a set of encryption keys, selecting at each said access point (AP1, AP2) from said set of encryption keys one to be used at a time for encrypting information to be transmitted between said access point (AP1, AP2) and mobile terminal (MT1—MT4), transmitting from the access point (AP1, AP2), at intervals, data about the encryption key selected at the time, setting up a data transmission connection between a mobile terminal (MT1—MT4) and the first access point (AP1) for the transmission of information, and performing a handover, whereby a data transmission connection is set up between the second access point (AP2) and the mobile terminal (MT1—MT4). In the method, a handover is performed, wherein a data transmission connection is set up between the second access point (AP2) and the mobile terminal (MT1—MT4). In the method, in connection with the handover, information is also transmitted to the mobile terminal (MT1—MT4) about the encryption key selected at the second access point (AP2).

Fig. 4

00021-5024760